

LAND RECLAMATION COMMISSION

STATE OF MISSOURI

P.O. BOX 176

JEFFERSON CITY, MISSOURI 65102

573-751-4041

Permit To Engage in Surface Mining

LAND RECLAMATION COMMISSION

ISSUES TO HEATH SAND & GRAVEL

Pursuant to "The Land Reclamation Act," RSMo, 2001, and on conformity with the statements

In the application, a permit is hereby granted to engage in surface mining of
sand & gravel in the state of Missouri. The extent of the

Proposed mining operation(s) will be on two acres, more or less.

The locations of the operation(s) under this permit is/are as follows: **Renewal**

County	Section	Township	Range	Acres Renewed	Acres New	Total Acres	Site/Stream Name	Site Number
Barton	08	31N	29W	2	0	2	Loren Heath Quarry	0511

This permit may be suspended or revoked upon violation of any or all of the conditions set forth in "The Land Reclamation Act," RSMo. 2001, or in such rules and regulations as are promulgated pursuant thereto by the Land Reclamation Commission.

IN WITNESS WHEREOF I have hereunto set my hand this 20th day of April 2004


DIRECTOR OF STAFF
Land Reclamation Commission

Permit No. 0501
Effective Date 04/20/2004
Expiration Date 04/05/2005
MO 780-1122 (6-95)



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
PERMIT RENEWAL FORM FOR INDUSTRIAL MINERAL MINES

RECEIVED

APR 8 2004

P.O. BOX 176
JEFFERSON CITY, MO 65102-0176

NAME OF CORPORATION, COMPANY, PARTNERSHIP OR INDIVIDUAL

permit 0501

MISSOURI LAND
RECLAMATION COMMISSION
4-6-04

Loren Heath Sand & Gravel

ADDRESS
2400 Rd.

CITY
Webb City

STATE
Mo

ZIP CODE
64870

CONTACT PERSON
Loren Heath

TELEPHONE
417-782-7020

FEES: COMPLETE SECTION I OR SECTION II

Section I. Fees: Open pit operators and those mining more than five thousand (5,000) tons of sand and/or gravel:

1. To compute the site fee complete the columns and lines below:

SITE NAME OR NUMBER (add a separate sheet for additional sites)	Mark each month that the site will be operated during the permit year	For sites operated less than six (6) months per permit year pay \$150.00
		For sites operated six (6) months or more per permit year pay \$300.00
1. 0511	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
2.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
3.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
4.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
5.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
6.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
7.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
8.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
9.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
10.	Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec	\$
TOTAL SITE FEE		\$

2. Acreage fee: \$5 X number of acres bonded \$

3. Annual permit fee: \$ 500.00

4. Total Fee: Add totals from 1, 2, and 3 \$

NOTE: If Total Fee exceeds \$2,500.00 then pay only ----\$2,500.00

SECTION II. FEES: Sand and/or gravel operators mining less than five thousand (5,000) tons per year:

1. Annual Permit Fee \$ 300.00

SIGNATURE OF APPLICANT

X Loren Heath

TITLE

DATE

4-6-04

Appeared before me this 6th day of April, 2004. Loren Heath to me personally known, who executed the above as their free acts and deeds.

NOTARY PUBLIC EMBOSSEER SEAL

STATE

Missouri

SUBSCRIBED AND SWORN BEFORE ME, THIS

6th

DAY OF

April

20

04

NOTARY PUBLIC SIGNATURE

Donna Long

MY COMMISSION EXPIRES

1-29-2008

NOTARY PUBLIC NAME (TYPED OR PRINTED)

DONNA LONG

COUNTY (OR CITY OF ST. LOUIS)

Barton

RUBBER STAMP CLEAR AREA BELOW

Donna Long - Notary Public
Notary Seal for State of
Missouri - Barton County
My Commission Expires 1/29/2008

FOR DEPARTMENT USE ONLY: APPROVED BY

Michael J. Muel

DATE APPROVED

4/13/04

PERMIT NUMBER

0501

EXPIRATION DATE

4/15/05



MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
SITE INFORMATION FORM

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MISSOURI LAND

To be completed for each separate area of disturbance associated with mining operations.

SITE NAME OR NUMBER 501 <i>Eunit # 1 Route 100</i>		PERMIT NUMBER <i>501</i> 600 (PENDING)	
COMPANY NAME <i>LOREN & LELAND HEATH owner</i> <i>Eunit # 1 Route 100</i>			
COUNTY <i>BARTON</i>	1/4 SECTION	SECTION <i>08</i>	
TOWNSHIP <i>31 N</i>	RANGE <i>29 W</i>	ACRES <i>2</i>	
RIVER OR STREAM NAME (FOR IN-STREAM ACRES) <i>N/A</i>			
MINERAL COMMODITY Gravel <i>Sand - Gravel</i>		ESTIMATED TONS/YEAR (FOR GRAVEL SITES) <i>< 5000</i>	

NAME OF LANDOWNER (ATTACH LIST IF MORE THAN ONE) <i>LOREN & LELAND HEATH</i>		
ADDRESS <i>835 A SE 30 ROAD</i>		
CITY <i>Lamar</i>	STATE <i>Mo.</i>	ZIP CODE <i>64759</i>
SOURCE OF RIGHT TO MINE (CHECK ONE): <input checked="" type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT <input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT

MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THAN ONE) <i>LOREN & LELAND HEATH</i>		
ADDRESS <i>Same</i>		
CITY <i>Lamar</i>	STATE <i>Mo.</i>	ZIP CODE <i>64759</i>
SOURCE OF RIGHT TO MINE (CHECK ONE): <input type="checkbox"/> MINERAL DEED <input type="checkbox"/> WARRANTY DEED <input type="checkbox"/> OTHER (DESCRIBE): _____		DATE OF AGREEMENT <input type="checkbox"/> LEASE <input type="checkbox"/> VERBAL AGREEMENT

NOTE: Each site must be shown on a map and be included in a public notice and an approved mine plan.

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JAN 8 1996MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION
MINE PLANMISSOURI LAND
RECLAMATION COMMISSIONP.O. BOX 176
JEFFERSON CITY, MO 65102MISSOURI LAND
RECLAMATION COMMISSION

TYPE OF PLAN (CHECK ONE)

☐ SHORT TERM FOR ONE PERMIT YEAR☒ LONG TERM FOR PERIOD THROUGH DATE 6-1-95 thru 6-1-2005 Long term

DESCRIPTION OF SITE PRIOR TO LAND RECLAMATION COMMISSION PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND TOPOGRAPHY

The site is very rocky and weedy not hardly any grass on site.

County soil survey A. 3" 4.5-5.5
top soil silty loam B. 16" 4.0 5.0
subsoil is cherty clay C 16 PH 4.0-5.0

OPERATION PLAN - 10 CSR 40-10.020(2)(D)1.

A. TOPSOIL

AVERAGE DEPTH OF TOPSOIL PRIOR TO LAND RECLAMATION COMMISSION PERMITTING

3" or less1-3 INCHES

IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?

☐ YES OR ☒ NO

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL

Dozer and ripper to push soil to one side then spread over slope when complete. then apply fescue screenings over area

DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE AND PROTECTION

What little topsoil there is will be pushed up in a pile on one side then spread back over slope after we are done.

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B. SPOIL

DESCRIBE METHODS AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL

Because the commercial product is everything from the top soil to rock there is no spoil materials. Refer to 10 CSR 40-10.100 (17) which states is all earth and other materials which above natural deposits of minerals, and 10 CSR 40-10.100 (13) that is a mineral constituent of natural form.

C. ACID MATERIALS

DESCRIBE METHODS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF NONE IS ANTICIPATED, WRITE "NONE" BELOW)

The product that we sell (B. C. Lorigon) is the most ~~toxic~~ acidic with PH of 4.0-5.0.

PIT INFORMATION (GIVE ALL DIMENSIONS IN FEET)

DESCRIBE LOCATION AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS

We're only working the south and west sides of the pit will stay at least 100 feet from county road

YES NO

☐
☒

Will any excavation be at or within fifty feet (50') of the right-of-way of any public road?

☐
☒

Will any highwall consisting of unconsolidated materials be left within fifty feet of the right-of-way of any public road? (NOTE: For unconsolidated materials left in place, a slope of no more than forty degrees may start near the right of way, and in no case may the excavation be closer to the right of way than fifty feet or twenty-five feet plus one and one-half (1-½) times the depth of unconsolidated material, whichever is greater, unless a variance is granted by the Commission.)

☐
☒

Will any excavation start at or within fifty feet (50') of any property line? (NOTE: If the answer is "yes", a safety barrier may be needed.)

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RECLAMATION PLAN - 10 CSR 40-10.020(2)(D)2.

A. REVEGETATION (Attach additional sheets, if needed)

REVEGETATION MIX #1

PURPOSE OR LAND USE

MISSOURI LAND RECLAMATION COMMISSION

B. SEEDING OR PLANTING TIME

mining hill rock and recreation when done such as a pond

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Will use track loader to spread seed after we are all done. Will then broadcast seed over screenings.

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Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Fescue screenings	20 T		
Fescue	20 ^{lb} seed		

VEGETATION MIX #2

PURPOSE OR LAND USE

B. SEEDING OR PLANTING TIME

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

Lime and fertilizer will be applied according to recommendations made, based on an analysis of soil texture and nutrients. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE

ATTACH ADDITIONAL SHEETS FOR ADDITIONAL SEED MIXES.

B. GRADING

DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES

The final topography will be a level pit surrounded by slopes of 3:1 and covered with available soil. Vegetation will be established which is sufficient to control the erosion. The pit floor will be graded to have little erosion.

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RECLAMATION COMMISSION

C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE FOLLOWING ACTIVITIES

GRADING

Grading will be completed 12 months or less after the last permit year in which area was needed as part of mining operation.

REPLACEMENT OF TOPSOIL

The fescue screening will be spread immediately after soil is replaced.

REVEGETATION

Vegetation will be established in 24 months or less of the last permit year as which the area was needed as part of the mining operation.

AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES)

D. USE OF LAND WHEN RECLAIMED

Estimate acreage of each land use below, after reclamation	ESTIMATED ACRES:
Wildlife (forest or other habitat with livestock excluded)	
Agricultural (pasture, cropland, and horticultural)	
Development (residential, industrial, and <u>recreational</u>)	2
Water impoundments (for wildlife, agricultural, or development)	

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By my signature, I attest to the following: MISSOURI LAND RECLAMATION COMMISSION

1. All statements made on this Mine Plan Form are correct, complete, and true, to the best of my knowledge.
2. I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.789, RSMo (Supp. 1990), and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
3. I have obtained the approval of all landowner's for all proposed post-reclamation land uses.
4. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and his authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

<p style="text-align: center;"><i>Event & Date leave Event & Date leave</i> <i>5-20-95</i></p> <p style="font-size: 2em;"><i>Loren Heath</i> <i>Ieland Heath</i></p>		<p>SIGNATURE OF APPLICANT</p>	<p>TITLE</p> <p style="font-size: 1.2em;"><i>Co-owner</i></p>	<p>DATE</p> <p style="font-size: 1.2em;"><i>4-22-95</i></p>
<p>NOTARY PUBLIC EMBOSSEER SEAL</p>	<p>STATE</p> <p style="font-size: 1.5em;"><i>Mo</i></p>	<p>COUNTY (OR CITY OF ST. LOUIS)</p> <p style="font-size: 1.5em;"><i>Barton</i></p>		
	<p>SUBSCRIBED AND SWORN BEFORE ME, THIS</p> <p style="font-size: 1.5em;"><i>30th</i> DAY OF <i>May</i> 19 <i>95</i></p>		<p>USE RUBBER STAMP IN CLEAR AREA BELOW</p>	
	<p>NOTARY PUBLIC SIGNATURE</p> <p style="font-size: 1.5em;"><i>Donna Hutton</i></p>	<p>MY COMMISSION EXPIRES</p> <p style="font-size: 1.5em;"><i>6-7-97</i></p>	<p>DONNA HUTTON NOTARY PUBLIC STATE OF MISSOURI JASPER COUNTY MY COMMISSION EXP. JUNE 7, 1997</p>	
	<p>NOTARY PUBLIC NAME (TYPED OR PRINTED)</p> <p style="font-size: 1.2em;"><i>DONNA HUTTON</i></p>			
<p>APPROVED BY (DIRECTOR'S REPRESENTATIVE)</p> <p style="font-size: 1.2em;">MEC, P.C.</p>		<p>DATE APPROVED</p> <p style="font-size: 1.2em;"><i>1-22-96</i></p>		<p>PERMIT NUMBER</p> <p style="font-size: 1.2em;"><i>501</i></p>



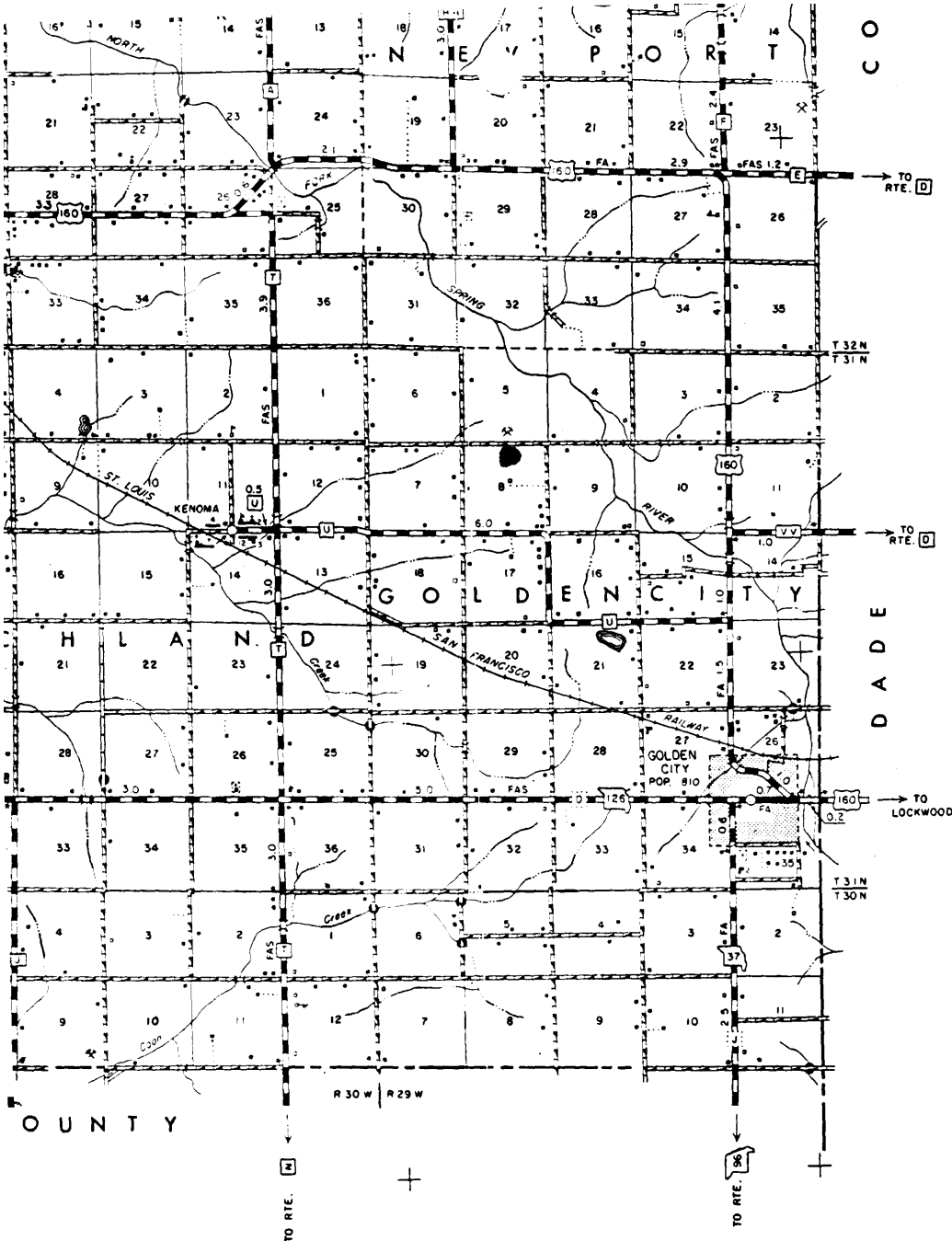
MISSOURI DEPARTMENT OF NATURAL RESOURCES
LAND RECLAMATION COMMISSION

P.O. BOX 176
JEFFERSON CITY, MO 65102

CONSENT TO ENTRY

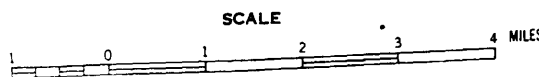
(for granting right from landowner, where operator has no right to grant such entry)

COMPANY NAME <i>Everett & Deeb</i>		PERMIT NUMBER(S) <i>90-501</i>			SITE NUMBER(S) <i>1</i>
We, the undersigned, hereby grant to the Director of the State of Missouri Land Reclamation Program and his authorized representatives the right of entry upon our lands or surface mining operations for the purpose of making necessary field inspections covering land reclamation in order to ensure compliance with the Land Reclamation Act, Sections 444.760 to 444.789, RSMo.					
NAME OF LANDOWNER		SIGNATURE			DATE <i>7-6-92</i>
COUNTY <i>Golden City</i>	1/4 SECTION	SECTION <i>8</i>	TOWNSHIP <i>T-31</i>	RANGE <i>R-29W</i>	ACRES <i>2</i>
NAME OF LANDOWNER <i>Lorna Heath</i>		SIGNATURE <i>Lorna Heath</i>			DATE <i>7-6-92</i>
COUNTY <i>Golden City</i>	1/4 SECTION	SECTION <i>8</i>	TOWNSHIP <i>T-31</i>	RANGE <i>R-29W</i>	ACRES <i>2</i>
NAME OF LANDOWNER		SIGNATURE			DATE
COUNTY	1/4 SECTION	SECTION	TOWNSHIP	RANGE	ACRES
NAME OF LANDOWNER		SIGNATURE			DATE
COUNTY	1/4 SECTION	SECTION	TOWNSHIP	RANGE	ACRES
NAME OF LANDOWNER		SIGNATURE			DATE
COUNTY	1/4 SECTION	SECTION	TOWNSHIP	RANGE	ACRES
NAME OF LANDOWNER		SIGNATURE			DATE
COUNTY	1/4 SECTION	SECTION	TOWNSHIP	RANGE	ACRES
NAME OF LANDOWNER		SIGNATURE			DATE
COUNTY	1/4 SECTION	SECTION	TOWNSHIP	RANGE	ACRES
NAME OF LANDOWNER		SIGNATURE			DATE
COUNTY	1/4 SECTION	SECTION	TOWNSHIP	RANGE	ACRES



GENERAL HIGHWAY MAP BARTON COUNTY MISSOURI

PREPARED BY THE
MISSOURI STATE HIGHWAY DEPARTMENT
DIVISION OF PLANNING
IN COOPERATION WITH THE
U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION



POLYCONIC PROJECTION

6-1-78	STATE HIGHWAYS	BY
4-8-77	COMPLETE NEW NUMBERING	
DATE	DESCRIPTION	BY
	REVISIONS	

PRICE 15 CENTS

DISTRICT 7

TL S
9-24-91

